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(54) Materials and methods for screening anti-osteoporosis agents.

The present invention relates to methods for the identification of therapeutic agents for the treatment of osteoporosis and serum lipid lowering agents. The invention relates to isolating cloning, and using nucleic acids from the promoter regions of transforming growth factor β genes comprising novel regulatory elements designated "raloxifene responsive elements". The invention also encompasses eukaryotic cells containing such raloxifene responsive elements operably linked to reporter genes such that the raloxifene responsive elements modulate the transcription of the reporter genes. The invention provides methods for identifying antiosteoporosis agents that induce transcription of genes operably linked to such raloxifene responsive elements without inducing deleterious or undesirable side effects associated with current anti-osteoporosis therapy regimens.

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ategory	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.CL.5)
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	pages 19128 - 19136	*	C12Q1/68
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A,D	US-A-4 133 814 (C.DAVID JONES ET AL.)	10	
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	Place of search Date of completion of the search		Examiner
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X : p:	CATEGORY OF CITED DOCUMENTS T: theory or princ E: carlier patent of carlier patent of the filing after the filing relevant if combined with another D: document cite	document, but	published on, or ation



EUROPEAN SEARCH REPORT

Application Number EP 94 30 4432

Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.CL5)
A,D	US-A-4 075 227 (C.DAVID JONES ET AL.) * the whole document *	10	
A,D	US-A-4 380 635 (M.K.PATERS) * the whole document *	10	
V.	WO-A-88 07579 (BOARD OF REGENTS, THE UNIVERSITY OF TEXAS SYSTEM) * abstract; claims 1-16 *	5	
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document of the same category
A: technological background
O: non-written disclosure
P: intermediate document

L: document cited for other reasons.

& : member of the same patent family, corresponding document





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Remark: Although claims 6-9 are directed to a method of treatment of the human/animal body (Article 52 (4)EPC), the search has been carried out and based on the alleged effects of the compound/composition.